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E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
WILMINGTON, DELAWARE 19898

POLYMER PRODUCTS DEPARTMENT
EXPERIMENTAL STATION

cc: A. J. Dahl - 353
B. W. Karrh - N11400
L. J. Papa - 269
Pral File
I.C.

AR226-1571

Complainant's Exhibit No. 39

PERSONAL AND CONFIDENTIAL

May 14, 1981

DR. W. E. NEELD
CD&P
CHAMBERS WORKS

ANALYSIS OF BLOOD SAMPLES FOR PERFLUOROOCTANOATE
(Job No. 810-578; PRAL No. 81-1554; Notebook Nos. E22514, E26238)

As requested in your letter of 4/14/81, the blood sample submitted then has been analyzed for perfluorooctanoate (C_8). The result is as follows.

Sample Identification	GC Analysis*
[redacted] 4/13/81, age 24	$[C_8]$ = 0.26 µg F/g blood (ppm)
PRAL No. 81-1554	

* Analysis as described in Lab Method ES-567 ("Determination of Perfluorooctanoic Acid in Blood, Gas Chromatographic Method", S. Stafford, 4/3/81), using the packed column GC analysis with perfluoro-n-octanoic acid calibration standard.

Although the GC analysis is specifically for perfluorooctanoate (acid or salts), the concentration is given in ppm F for comparison with results of total fluorine analyses used earlier. (ppm F = 0.688 x ppm perfluorooctanoic acid) The estimated uncertainty is ± 10% relative standard deviation, with a lower limit for quantitation of 0.007 ppm.

Please contact me (772-4440) or L. J. Papa (772-2745) if you have any questions regarding the analysis. General questions on blood sampling can be directed to J. W. Raines or L. F. Percival.

S. S. Stafford

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KeyWords:
Perfluorooctanoic Acid
Perfluorooctanoate
Blood Analysis
GC